Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/14/2019 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123669	-2	1.15	123764	1.16
Blue	F	SSC	125000	124327	-1	1.62	125125	1.58
Blue	E	FITC	16122	15657	-3	2.60	342	19.68
Blue	D	PE	29316	28727	-3	1.77	625	14.36
Blue	B	PerCP-Cy5-5	42590	41679	-3	3.57	1122	20.21
Blue	A	PE-Cy7	33146	32220	-3	5.89	610	40.84
Red	C	APC	45473	45019	-1	2.35	1592	12.03
Red	A	APC-Cy7	31961	30839	-4	2.32	814	11.76
Violet	B	V450	7914	7491	-6	4.88	428	13.29
Violet	A	V500	29769	28738	-4	4.69	669	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20939	3.32	606	6	N/A	N/A	Pass
Blue	F	SSC	56503	1.09	550	12	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0214	189	Pass
Blue	D	PE	130	49.99	541	4	0.1834	320	Pass
Blue	B	PerCP-Cy5-5	205	49.06	642	4	0.0091	39	Pass
Blue	A	PE-Cy7	115	97.54	694	3	0.0108	6	Pass
Red	C	APC	379	24.79	583	4	0.0245	116	Pass
Red	A	APC-Cy7	179	28.66	558	2	0.0059	1150	Pass
Violet	B	V450	70	55.07	462	2	0.0503	2027	Pass
Violet	A	V500	102	32.29	475	3	0.0245	756	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-31.90	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.11	13.60 - 20.40	N/A	N/A	29.41	29.83	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10122

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments